

<b>2004-Homeland Security Grant Program – First Responder Grant Program</b>
The foundation of the FY 2004 SHSP authorized equipment list (AEL) is the Standardized Equipment List (SEL), which was developed by the Interagency Board for Equipment Standardization and Interoperability. The new AEL also comports closely with the SEL, but has additional categories and equipment. A cross section of officials representing the U.S. Departments of: Justice, Public Health Service, Energy and State and local CBRNE response experts assisted in the development of this authorized equipment list and in identifying unallowable items. This list is a guide. Specific questions should be addressed to the NH Grant Administrator (State Administrative Agency) who in conjunction with the U.S. Department of Homeland Security will make final clarifications and determinations.
The list attached was received from the Department of Homeland Security with the 2004 Grant Program Guidance. It was reviewed by the NH Local Advisory Committee for Homeland Security grants on December 10, 2003 with recommendations herein. The Commissioner's Ad Hoc Homeland Advisory Committee further reviewed these recommendations on 12/18/03 and 2/9/04 with final recommendations forwarded to the Commissioner of Safety and approved herewith. Further approved by Governor's Ad Hoc Committee, 9/16/04.
<b>I: Personal Protection Equipment</b>
<b>***Level A (Haz-Mat Team member only by pre-approval-speak with NH SAA Grant Administrator)*</b>
Fully Encapsulated Liquid and Vapor Protection Ensemble, reusable or disposable (tested and certified against CB threats)
Fully Encapsulated Training Suits
Closed-Circuit Rebreather (minimum 2-hour supply, preferred), or open-circuit Self Contained Breathing Apparatus (SCBA) or, when appropriate, Air-Line System with 15-minute minimum escape SCBA
Spare Cylinders/Bottles for rebreathers or SCBA and service repair kits
Chemical Resistant Gloves, including thermal, as appropriate to hazard
Personal Cooling System; Vest or Full Suit with support equipment needed for maintaining body core temperature within acceptable limits
Hardhat/Helmet
Chemical/Biological Protective Undergarment
Inner Gloves
Approved Chemical Resistant Tape
Chemical Resistant Boots, Steel or Fiberglass Toe and Shank
Chemical Resistant Outer Booties
<b>Level B*</b>
Liquid Splash Resistant Chemical Clothing, encapsulated or non-encapsulated
Liquid Splash Resistant Hood
Closed-Circuit Rebreather (minimum 2-hour supply, preferred), open-circuit SCBA, or when appropriate, Air-Line System with 15-minute minimum escape SCBA
Spare Cylinders/Bottles for rebreathers or SCBA and service/repair kits
Chemical Resistant Gloves, including thermal, as appropriate to hazard
Personal Cooling System; Vest or Full Suit with support equipment needed for maintaining body core temperature within acceptable limits
Hardhat/helmet
Chemical/Biological Protective Undergarment
Inner Gloves
Approved Chemical Resistant Tape
Chemical Resistant Boots, Steel or Fiberglass Toe and Shank
Chemical Resistant Outer Booties
<b>Level C*</b>
Liquid Chemical Splash Resistant Clothing (permeable or non-permeable)

Liquid Chemical Splash Resistant Hood (permeable or non-permeable)
Tight-fitting, Full Facepiece, Negative Pressure Air Purifying Respirator with the appropriate cartridge(s) or canister(s) and P100 filter(s) for protection against toxic industrial chemicals, particulates, and military specific agents
Tight-fitting, Full Facepiece, Powered Air Purifying Respirator (PAPR) with chemically resistant hood with appropriate cartridge(s) or canister(s) and high efficiency filter(s) for protection against toxic industrial chemicals, particulates, and military specific agents
Equipment or system batteries will include those that are rechargeable (e.g. NiCad) or non-rechargeable with extended shelf life (e.g. Lithium)
Chemical Resistant Gloves, including thermal, as appropriate to hazard
Personal Cooling System; Vest or Full Suit with support equipment
Hardhat
Inner Chemical/Biological Resistant Garment
Inner Gloves
Chemical Resistant Tape
Chemical Resistant Boots, Steel or Fiberglass Toe and Shank
Chemical Resistant Outer Booties
Closed-Circuit Rebreather (minimum 2-hour supply, preferred), open-circuit SCBA, or when appropriate, Air-Line System with 15-minute minimum escape SCBA
Spare cylinder/bottles for rebreathers or SCBA
SCBA Service and repair kits
<b>Level D</b>
*Selected when no respiratory protection and minimal skin protection is required and the atmosphere contains no known hazard and work functions preclude splashes, immersion, or the potential for unexpected inhalation of . or contact with hazardous levels of any chemicals.
Escape mask for self-rescue
*During all CBRNE response operations the incident commander determines the appropriate level for PPE. Personnel entering protective postures must undergo medical monitoring prior to and after entry.
*All SCBAs must meet standards established by NIOSH for use by emergency preparedness and response personnel when exposed to CBRNE agents in accordance with Special Tests under NIOSH 42 CFR 84.63© - procedure # RCT-CBRN STP -002 dated December 14, 2001.
*Grant Recipients must purchase PPE certified as complaint with Class I, Class 2, Class 3, requirement of NFPA. See the following websites: <a href="http://www.nfpa.org">http://www.nfpa.org</a> and <a href="http://www.cdc.gov/niosh">http://www.cdc.gov/niosh</a>

<b>2. CBRNE Search and Rescue Equipment</b>
Hydraulic tools; hydraulic power unit
Listening devices, hearing protection
Search cameras (including thermal and infrared imaging)
Breaking devices (including spreaders, saws, and hammers)
Lifting devices (including air bag systems, hydraulic rams, jacks, ropes, and block & tackle)
Blocking and bracing materials
Evacuation stretchers, baskets, and chairs (for the evacuation of disabled personnel)
Ventilation fans
Rescue ropes and ladders (including rescue pulley systems)
Confined Space Kits (such as MSA Watchman)
Underwater equipment including: lights, metal detectors, communication and video units, lift bags, water rescue helmets, ice hooks, buoyancy compensator, and underwater scooter/DPV
SCUBA equipment including: exposure and pressurized suites, face masks, regulators, air tanks, and pony bottles
<b>3. Interoperable Communications Equipment</b>

*All Communication equipment purchased MUST be APCO-25 (P-25) compliant . Contact SAA Grant Administrator for more information.
Land Mobile, Two-Way In-Suit Communications (secure, hands-free, fully duplex, optional), including air-to-ground capability (as required)
Antenna and tower systems*** ( <i>Tower Systems for State Agency coordinated interoperable communications needs only-contact SAA Grant Administrator</i> )
Leasing and rental of tower space
Personal Alert Safety System (PASS) – (location and physiological monitoring systems optional)
Personal Accountability Systems
Individual/portable radios, software radios, portable repeaters, radio interconnect systems, satellite phones*** (Satellite phones to be limited by special request to and approval by First Responder Radio Interoperability Committee-contact SAA-Grant Administrator), batteries, chargers and battery conditioning systems
Computer Systems designated for use in an integrated system to assist with detection and communication efforts (must be linked with integrated software packages designed specifically for chemical and/or biological agent detection and communication purposes)
Aviation and maritime security voice and data transmission equipment
Portable Meteorological Station (monitors temperature, wind speed, wind direction and barometric pressure at a minimum)
Computer aided dispatch system and enhancement of 911 systems, and mobile computer data systems to include pagers, *** (palm pilot to be limited to use for and loaded with emergency services based software-general use PDA not allowed – contact SAA Grant Administrator)
Commercially available crisis management software
Mobile Display Terminals
<b>4. Detection Equipment</b>
Equipment to sample, detect, identify, quantify, and monitor for CBRNE agents and enhance detection capabilities.
<b><i>Chemical</i></b>
M-8 Detection Paper for chemical agent identification
M-9 Detection Paper (roll) for chemical agent (military grade) detection
M-256 Detection Kit for Chemical Agent (weapons grade-blister: CX/HD/L; blood: AC/CK; and nerve: GB/VX) detection
M-256 Training Kit
M-18 Series Chemical Agent Detector Kit for surface/vapor chemical agent analysis
Hazard Categorizing (HAZCAT) Kits
Photo-Ionization Detector (PID)
Flame Ionization Detector (FID)
Surface Acoustic Wave Detector
Gas Chromatograph/Mass Spectrometer (GC/MS)
Ion Mobility Spectrometry
Stand-Off Chemical Detector
M-272 Chemical Agent Water Test Kit
Colormetric Tube/Chip Kit specific for TIC's and CBRNE applications
Multi-gas Meter with minimum of O <sub>2</sub> and LEL
Leak Detectors (soap solution, ammonium hydroxide, etc)
pH Paper/pH Meter
Waste Water classifier Kit
Oxidizing Paper
Protective cases for sensitive detection
<b><i>Biological</i></b>
Point Detection Systems/Kits (Immunoassay or other technology)

<b><i>Radiological/Nuclear</i></b>
Radiation detection equipment (electronic or other technology that detects alpha, beta, gamma, and high intensity gamma)
Personal Dosimeter
Scintillation Fluid (radiological) pre-packaged
Radiation monitors
<b><i>Explosive *** (Limit to FBI recognized and legally accredited recognized Bomb squads only)</i></b>
Canines (initial acquisition and initial operational capability only)
<b>5. Decontamination Equipment</b>
<b><i>Chemical</i></b>
Decontamination system for individual and mass application with environmental controls, water heating system, showers, lighting, and transportation (trailer)
Decon litters/roller systems
Extraction litters/rollable
Runoff Containment Bladder(s), decontamination shower waste collection with intrinsically-safe evacuation pumps, hoses, connectors, scrub brushes, nozzles
Spill Containment Devices
Overpak Drums
Non-Transparent Cadaver Bags (CDC standard)
Hand Carts
Waste water classification kits/strips
<b><i>Biological</i></b>
HEPA (High Efficiency Particulate Air) Vacuum for dry contamination
<b>6. Physical Security Enhancement Equipment</b>
<b><i>Surveillance, Warning, Access/Intrusion Control Ground</i></b>
Motion Detector Systems: Acoustic; Infrared; Seismic; Magnetometers
Barriers: Fences; Jersey Walls
Impact resistant Doors and Gates
Alarm systems
Portal Systems
Video Assessment/Cameras: Standard, Low Light, IR, Automated Detection
Personnel Identification: Visual; Electronic; Acoustic; Laser; Scanners; Cyphers/Codes
X-Ray Units
Magnetometers
Vehicle Identification: Visual; Electronic; Acoustic; Laser*; Radar* (*Laser and radar are not for routine traffic patrol or related activities)
<b><i>Waterfront</i></b>
Radar Systems
Video Assessment System/Cameras: Standard, Low Light, IR, Automated Detection
Diver/Swimmer Detection Systems; Sonar
Impact Resistant Doors and Gates
Portal Systems
Hull Scanning Equipment
Plus all those for ground

Vessel Barriers
<b><i>Sensors-Agent/Explosives Detection</i></b>
Chemical: Active/Passive; Mobile/Fixed; Handheld
Biological: Active/Passive; Mobile/Passive; Mobile/Fixed; Handheld
Radiological
Nuclear
Ground/Wall Penetrating Radar
<b><i>Inspection/Detection Systems</i></b>
Vehicle & Cargo Inspection System – Gamma-Ray
Mobile Search & Inspection System – X-Ray
Non-Invasive Radiological/Chem/Bio/Explosives System – Pulsed Neutron Activation
<b>Explosion Protection</b>
Blast/Shock/Impact Resistant Systems
Protective Clothing
Column and Surface Wraps; Breakage/Shatter Resistant Glass; Window Wraps
Robotic Disarm/Disable Systems (***)Limited to FBI accredited, recognized Bomb squads)
<b><i>Support Equipment for Continuation of Critical Infrastructure Operations</i></b>
Large fixed generators
Fuel storage containers
Back-up operating computer hardware and programming software
Self-monitoring sensors and alarms
<b>7. Terrorism Incident Prevention Equipment (Terrorism Early Warning, Prevention and Deterrence Equipment and Technologies)</b>
State and local emergency preparedness, prevention, and response agencies will increasingly rely on the integration of emerging technologies and equipment to improve jurisdictional capabilities to deter and prevent terrorist incidents. This includes, but is not limited to equipment and associated components that enhance a jurisdiction's ability to disseminate advanced warning information to prevent a terrorist incident or disrupt a terrorist's ability to carry out the event, including information sharing, threat recognition, and public/private sector collaboration.
Data collection/information gathering software
Data synthesis software
Geographic Information System (GIS) information technology and software
Law Enforcement surveillance equipment
Joint Regional Information Exchange System (JRIES)
Alert and notification equipment that allows for real-time dissemination of information and intelligence. Examples of this equipment include *** pagers, text messaging, etc. ***Limited to cost of initial acquisition of equipment
Hardware, software and internet-based systems that allow for information exchange and dissemination *** (With detailed specifications pre-approved-Contact SAA-Grant Administrator)
Fees for use of databases containing terrorist threat information*** (Limited to initial year of fee as funds from DHS allow-Additional costs may/will be the responsibility of the local or State government)
Facial recognition hardware and software
<b>8.CBRNE Logistical Support Equipment</b>
Logistical support gear used to store and transport equipment to the CBRNE incident site and handle it once on-site. May include hand tools required to support a variety of tasks and to maintain equipment purchased under the grant as well as general support equipment intended to support the CBRNE incident response.
Equipment trailers
Staging tents and portable shelter units
Weather-tight containers for equipment storage
Software for equipment tracking and inventory
Handheld computers for Emergency Response applications

Small hand tools
Binoculars, head lamps, range finders and spotting scopes (not for weapons use)
Night vision goggles
Light sets for nighttime operations/security (including emergency light poles)
Light & Heavy duty generators to operate search & rescue equipment, light sets, water pumps for decontamination sets
Electrical Current Detectors and DC to AC inverter equipment
Equipment harnesses, belts, and vests (including incident command vests)
Isolation containers for suspected chemical/biological samples
Bull horns and other PA systems
Traffic and crowd control devices (traffic and reflective cones, arrow and zone signs, portable barriers)
Water pumps for decontamination systems
Bar code scanner/reader for equipment inventory control
Badging system equipment and supplies
Cascade system for refilling SCBA oxygen bottles
SCBA fit test equipment and software to conduct flow testing
Testing equipment for fully encapsulated suits and respirators
Cooling/heating/ventilation fans (personal and decontamination tent use)
HAZMAT gear bag/box
<b>9. CBRNE Incident Response Vehicles</b>
<b>***Please contact SAA Grant Administrator regarding this category.</b> Command Vehicles/Units/Response Vehicles, etc. MAY ONLY be funded at 50% of the total Local Homeland Security population based allocation. 100% funding <i>may</i> be considered if a Threat/Risk based competitive application is accepted for review by the SAA –Commissioner’s Ad Hoc Homeland Grant Review Committee. Contact SAA Grant Administrator for details.
Mobile command post vehicles****
Hazardous materials (HazMat) response vehicles (limited to State recognized Haz-Mat teams)
Bomb response vehicles *** (limited to FBI accredited, recognized bomb squads)
Prime movers for equipment trailers
Multi-wheeled all terrain vehicles for transporting personnel and equipment to and from the hot zone
2-wheel personal transport vehicles for transporting fully suited bomb technicians, Level A/B suited technicians to the Hot Zone *** (Limited to FBI recognized, accredited state bomb squads)
Mobile Command Unit****
Mobile Morgue Unit***
Response vehicles to deploy bomb, hazmat, and special weapons personnel, equipped to detect chemical, biological and radiological materials; these vehicles may be armored to protect these personnel from explosions and projectiles when required to enter hot zones *** (Contact SAA Grant Administrator-will be limited to recognized, established Haz-Mat and SOU/SWAT teams as of 2003)
<b>10. Medical Supplies and Pharmaceuticals</b>
<b><i>Medical Supplies-(limited to medical, EMS use-contact SAA Grant Administrator)</i></b>
Automatic biphasic external defibrillators and carry bags
Equipment and supplies for establishing and maintaining patient <i>airway at the advanced life support level</i> (to include OP and NG airways; ET tubes, styletes, blades, and handles; portable suction devices and catheters; and stethoscopes for monitoring breath sounds)
Blood pressure cuffs
IV administration sets (macro and micro) and pressure infusing bags
IV catheters (14,16,18,20, and 22 gauge)
IV catheters (Butterfly 22,24 and 26 gauge)
Manual biphasic defibrillators (defibrillator, pacemaker, 12 lead) and carry bags
Eye lens for lavage or continuous medication

Morgan eye shields
Nasogastric tubes
Oxygen administration equipment and supplies (including bag valve masks; rebreather and non-rebreather masks, and nasal cannulas; oxygen cylinders, regulators, tubing, and manifold distribution systems; and pulse oximetry, capnography & CO2 detection devices)
Portable ventilator
Pulmonary fit tester
Syringes (3cc and 10cc)
26 ga ½ “ needles (for syringes)
21 ga 1 ½ “ needles (for syringes)
Triage tags and tarps
Sterile and non-sterile dressings, all forms and sizes
Gauze, all sizes
Burn kits
<b><i>Pharmaceuticals</i></b>
2Pam Chloride
Adenosine
Albuterol Sulfate .083%
Albuterol MDI
Atropine 0.1 & 0.4 mg/ml
Atropine Auto Injectors
Benadryl
CANA Auto Injectors
Calcium Chloride
Calcium Gluconate 10%
Ciprofloxin PO
Cyanide kits
Dextrose
Dopamine
Doxycycline PO
Epinephrine
Glucagon
Lasix
Lidocaine
Loperamide
Magnesium sulfate
Methylprednisolone
Narcan
Nubain
Nitroglycerin
Normal saline (500 and 1000ml bags)
Potassium Iodide
Silver sulfadiazine
Sodium bicarbonate
Sterile water
Tertracaine
Thiamine
Valium
<b>11. CBRNE Reference Materials</b>
NFPA Guide to hazardous materials
NIOSH Hazardous Materials Pocket Guide

North American Emergency Response Guide
Jane's Chem-Bio Handbook
First Responder Job Aids
<b>12. Explosive Device Mitigation and Remediation Equipment</b> (Limited to FBI recognized, accredited State Bomb squads)
Bomb Search Protective Ensemble for Chemical/Biological Response
Chemical/Biological Undergarment for Bomb Search Protective Ensemble
Cooling Garments to manage heat stress
Ballistic Threat Body Armor (not for riot suppression)
Ballistic Threat Helmet (not for riot suppression)
Blast and Ballistic Threat Eye Protection (not for riot suppression)
Blast and Overpressure Threat Ear Protection (not for riot suppression)
Fire Resistant Gloves
Bomb blanket, Bomb Suppression Blanket, explosive devices blanket
Dearmor/Disrupter
Real Time X-Ray Unit; Portable X-Ray Unit
CBRNE Compatible Total Containment Vessel (TCV)
CBRNE Upgrades for Existing TCV
Robot; Robot Upgrades
Fiber Optic Kit (inspection or viewing)
Tents, standard or air inflatable for chem/bio protection
Inspection Mirrors
Ion Track Explosive Detector
<b>13. Agricultural Terrorism Prevention, Response and Mitigation Equipment-limited to prevention and response to <u>agricultural</u> terrorism</b>
<i>Animal Restraint</i>
Probangs
Nose leads
Lariat
Hog snare
Portable cattle and hog chutes
Knee boards
Hog paddles
Electrical prods
Halters
Seine mouth speculum
Panels
Portable pens. Crates, kennels
<i>Diagnostic Equipment</i>
Biohazard packing container
Blood sampling supplies (needles, syringes, blood tubes)
Biohazard bags and containers
Sharps containers
Animal identification supplies (back tags, marker crayons, waterproof tape and pens)
Specimen containers

Ice packs for shipping and access to freezer
<i>Cleaning, Disinfection, and Fumigation</i>
Bleach
Potassium bromide
Other surface and topical disinfectants
Soda ash
Sodium hydroxide and vinegar
<i>Disposal Equipment and Supplies</i>
Draglines
Heavy plastic liners
<b>Burning and Incinerating Supplies</b>
Clean fuel oil and other incineration material
Portable incinerators
<i>Depopulation</i>
Euthanasia solution
Captive bolt pistol (appropriate gauge)
Lining and covering for buried waste
<i>General</i>
Euthanasia guidelines
Animal handling guidelines
Quarantine forms
Plastic file boxes or filing cabinets
Chisel
Disposable scalpels/blades
Surgical scissors
Pliers
Forceps
Identification system for animals
Reference materials for specific animal management in disasters/agro-terrorism
<b>14. CBRNE Prevention &amp; Response Watercraft</b> – (Per compliance with DHS Program guidance and in accordance with State Homeland Security Strategy-allows for purchase of surface boats and vessels for Port Homeland Security purposes, including prevention and response. Licensing, registration, insurance, and on-going operational costs are not allowed. Other DHS guidance applies as well as DHS pre-approval. Must be consistent with State Strategy. Contact SAA-Grant Administrator)
<b>15. CBRNE Aviation Equipment</b> (Per compliance with DHS Program guidance requiring local units (or State Agency) of government certification that it already has an operating aviation unit & costs for operation & maintenance of equipment will be paid from non-grant funds and in accordance with State Homeland Security Strategy. General purpose, public safety aircraft, fire-fighting planes, or police helicopters are not allowed. Requires Pre-approval from DHS-DC. Acquisition must be consistent with State Strategy. Contact SAA Grant Administrator)
<b>16. Cyber Security Enhancement Equipment</b>
Intrusion detection devices and systems
Configuration management and patch dissemination tools
Scanning and penetration tools
Geographic information systems
Encryption systems
Firewall and authentication technologies

Network traffic monitoring and analysis systems
Security hardware and software countermeasures to protect against cyber attacks
<b>17. Intervention Equipment</b>
Tactical entry equipment (not including weapons)
Title III Equipment (Pin registers)
Specialized response vehicles and vessels (see Category 6-limitations on funding for these types of vehicles and contact SAA Grant Administrator)
<b>18. Other Authorized Equipment and Related Costs</b>
Installation costs for authorized equipment purchased through ODP grants
Maintenance contracts for authorized equipment purchased through ODP grants and acquired through DHS-ODP's Homeland Defense Equipment Reuse (HDER) Program
Multiple Integrated Laser Engagement System (MILES)
Training on CBRNE and cyber security equipment by vendors or local entities-DHS encourages the use of Domestic Preparedness Equipment Technical Assistance Program (DPETAP) for equipment training; however, manufacturer/vendor equipment training, the cost of overtime to attend the training, and costs related to having vendors provide training on equipment to State and/or local units of government is allowed to facilitate the training on and fielding of equipment.
Shipping costs for equipment
Sales tax on equipment
Multiple Integrated Laser Engagement System